

HOLIDAY HOMEWORK 2020-21

CLASS 11(ENGLISH)

1. Write a notice in about 50 words informing the students about the special coaching in cricket, basketball and tennis during the summer vacation. Sign as PET of KV Borjhar.
2. Prepare an advertisement to be published in a newspaper in the column 'FOR SALE' to dispose off your old car.
3. As the head boy of your school, write a letter to the Principal requesting her to improve the school canteen in respect of hygiene and menu.
4. Write an article on The Impact of Lockdown in your locality on account of the outbreak of COVID-19.
5. Change the voice of the following:
 - a) He is drawing a picture of a desert now.
 - b) Learn the lesson properly.
 - c) Did you post the letter yesterday?
 - d) Why have you broken the door?
 - e) We have made many kites.
6. Write in indirect speech:
 - a) The teacher said, "Did you finish the task yesterday?"
 - b) "How have you repaired the car so easily?" asked the man to the boy.
 - c) One of the boys said, "Let us find out the secret of their success in this mission."
 - d) The boy said, "I did not return the book when she asked for it."
 - e) She said, "What a beautiful the garden is!"
7. Compare and contrast the life of the grandmother in the village and in the city.
8. Explain: Both wry with the laboured ease of loss.
9. Why did the boys return the horse after a long time?
10. Why did Aram find it difficult to believe that Mourad had stolen the horse?

Summer Vacation
Holiday Home Work

Short answer type

MATHS

- Write in Roster form
 - $A = \{t: t \in \mathbb{R}\}$
 - $B = \{x: x \text{ is a positive factor of prime number } p\}$
 - $C = \{w: \text{---} \in \mathbb{R}\}$
 - $D = \{x: \text{---} \text{---}\}$
- Find the value of a and b
 - $(2a+b, a-b) = (8, 3)$
 - $(- , a-2b) = (0, 6+b)$
- Given $A = \{1, 2, 3, 4, 5\}$, $S = \{(x, y): x \in A, y \in A\}$. Find the ordered pairs which satisfy the condition $x+y > 8$
- Is the given relation a function
 - $H = \{(4, 6), (3, 9), (-11, 6), (3, 11)\}$
 - $T = \{(x, 3): x \text{ is a real number}\}$
- If f and g are two functions defined by $f(x) = x^2 + 7$ and $g(x) = 3x + 5$, find
 - $f(-) \times g(14)$
 - $f(t) - f(-2)$
- Find the radian measure corresponding to 5
- Find the degree measure of — radian

True and False

- Given $A = \{0, 1, 2\}$ and $B = \{x: \text{---} \in \mathbb{R}\}$. Then $A=B$.
- Let $R = \{x \in \mathbb{Z}: x \text{ is divisible by } 2\}$ and $T = \{x \in \mathbb{Z}: x \text{ is divisible by } 6\}$. Then $T \subset R$
- 35 has exactly four positive factors
- $6 \notin \{x: \text{sum of all positive factors of } x \text{ is } 2x\}$
- The ordered pair (5, 2) belong to relation $R = \{(x, y): y = x - 5, x, y \in \mathbb{Z}\}$
- If $A \times B = \{(a, x), (a, y), (b, x), (b, y)\}$ then $A = \{a, b\}$, $B = \{x, y\}$

Fill in the blanks

- When $A = \emptyset$, then number of elements in $P(A)$ is
- For finite set A and B, $A \subset B$, then $n(A \cup B) = \dots\dots$
- For all sets A and B, $A - (A \cap B)$ is
- For sets X and Y, $X \cap (X \cup Y)'$ is

MCQs

- In a class of 60 students, 25 students play cricket and 20 students play tennis and 10 students play both games. Then number of students who play neither is
 - 0
 - 25
 - 35
 - 45
- Let $S = \{x: x \text{ is a positive multiple of 3 less than } 100\}$ and $P = \{x: x \text{ is a prime number less than } 20\}$, then $n(S) + n(P)$ is
 - 34
 - 31
 - 33
 - 30
- A survey shows that 63% of people watch a News channel and 76% watch another channel. If $x\%$ of people watch both channel the
 - $x=35$
 - $x=63$
 - $39 \leq x \leq 63$
 - $X=39$
- Two finite sets have n and m elements. The number of subsets of first set is 112 more than the number of subsets of second set. Then values of m and n are
 - 4,7
 - 7,4
 - 4,4
 - 7,7
- Let $n(A)=m$ and $n(B)=n$. Then total number of non empty relations that can be defined from A to B is
 - m^n
 - n^{m-1}
 - $mn-1$
 - $2^{mn}-1$
- Domain of $\sqrt{a^2 - x^2}$ ($a>0$) is
 - $(-a,a)$
 - $[-a,a]$
 - $[0,a]$
 - $(-a,0]$
- If $f(x)=ax+b$, where a and b are integers, $f(-1)=-5$ and $f(3)=3$, then a and b are equal to
 - $a=-3, b=-1$
 - $a=2, b=-3$
 - $a=0, b=2$
 - $a=2, b=3$
- The domain of the function $f(x) = \frac{x^2+2x+1}{x^2-x-6}$ is
 - $\mathbb{R} - \{3, -2\}$
 - $\mathbb{R} - \{-3, 2\}$

- c) $\mathbb{R}-[3,-2]$
- d) $\mathbb{R}-(3,-2)$

Long answer

1. Out of 100 students, 15 passed in English, 12 passed in maths, 8 passed in science, 6 passed in English and maths, 7 passed in maths and science, 4 passed in science and English and 4 passed in all three. Find how many passed in
 - a) English and maths but not science
 - b) Science and maths but not English
 - c) Maths only
 - d) more than one subject
2. In a group of 50 students, the number of students studying French, English and Sanskrit were found as

French=17 French and English=9
 English=13 English and Sanskrit=4
 Sanskrit=15 French and Sanskrit=5
 French and English and Sanskrit =3

 Find the number of students who study
 - a) French only
 - b) English only
 - c) Sanskrit only
 - d) At least one of the three languages
 - e) None of the three languages
 - f) French and English only
 - g) English and Sanskrit only
 - h) French and Sanskrit only
3. Is $g=\{(1,1),(2,3),(3,5),(4,7)\}$ a function? Justify. If it is a function and described by $g(x) = cx+d$, find c and d .
4. Find the domain of
 - a) $f(x)=\frac{3x}{2x-8}$
 - b) $f(x)=|x-3|$
5. Find the range of
 - a) $f(x)=1-|x-2|$
 - b) $f(x)=\frac{3}{2-x^2}$
6. Draw the graph and write domain and range of following functions
 - a) Modulus function
 - b) Signum function
 - c) Greatest integer function
7. Find the length of arc of circle of radius 5 cm subtending angle of 15° at centre.

Summer Vacation Homework

Class - XI Sub-Physics

1. Resistance of a given wire is obtained by measuring the current flowing in it and the voltage difference applied across it. If the percentage errors in the measurement of the current and the voltage difference are 3% each, then error in the value of resistance of wire is

- (a) 6% (b) zero (c) 1% (d) 3%

2. A student measures the time period of 100 oscillations of a simple pendulum four times. The data set is 90 s, 91 s, 95 s and 92 s. If the minimum division in the measuring clock is 1 s, then the reported mean time should be

(a) 92 ± 5 s (b) 92 ± 1.8 s

(c) 92 ± 3 s (d) 92 ± 2 s

3. What is the % error in measurement of time period of oscillation if maximum errors in measurement of l and g are 2% & 4% respectively?

4. One nanometre is equal to

(a) 10^9 mm (b) 10^{-6} cm (c) 10^{-7} cm (d) 10^{-9} m

5. Light year is the unit of
 (a) time (b) distance (c) velocity (d) intensity of light.
6. Parsec is the unit of
 (a) time (b) frequency (c) length (d) angular momentum
7. A physical quantity is given by $X = \frac{2K^3 l^2}{m\sqrt{n}}$. The percentage errors in the measurement of K , l , m and n are 1%, 2%, 3% and 4% respectively. The value of X is uncertain by
 (a) 8% (b) 10% (c) 12% (d) none of these.
8. % errors in measurement of mass & speed are 2% & 3% respectively. The error in the estimate of kinetic energy obtained by measuring mass and speed will be
 (a) 8% (b) 2% (c) 12% (d) 10%
9. Name the SI unit of
 (i) temperature
 (ii) electric current
 (iii) luminous intensity.
10. Mention the various sources of occurrence of errors while taking measurements.

Teacher's Signature.....

11. Describe the parallax method to find the distance of a planet from earth.

12. Give the ratio of strengths of the four fundamental forces in nature.

13. Name the force responsible for the stability of nuclei & having range of 10^{-15} m.

14. What was the important discovery of C.V. Raman?

15. What is meant by charge independent character of strong nuclear force?

Class X

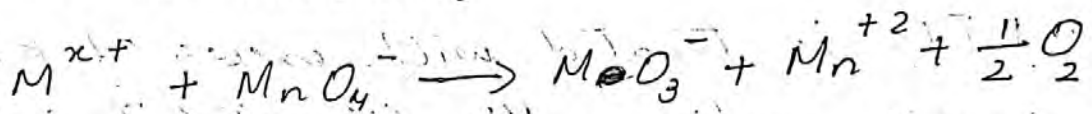
Holiday homework

CHEMISTRY

1. For a given mix of NaHCO_3 and Na_2CO_3 , volume of a given HCl required is x ml with phenolphthalein indicator and further y ml required with methyl orange indicator. Hence, volume of HCl for complete reaction of original NaHCO_3 is

- a) $2x$ b) $\frac{x}{2}$ c) y d) $(y-x)$

2. For the reaction,



if one mole of MnO_4^- oxidizes 1.67 moles of M^{x+} to MO_3^- ; then the value of x in the metal ion is

- a) 2 b) 7 c) 6 d) 3

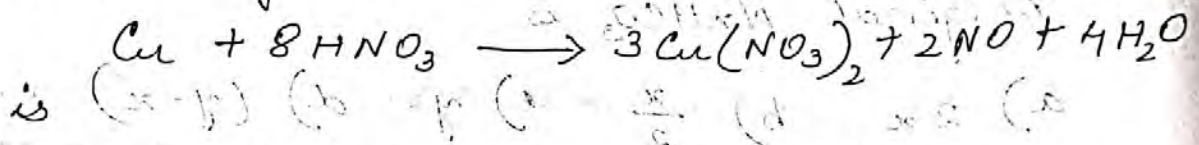
3. 12.53 ml of 0.0509 M SeO_2 reacted with 25.82 ml 0.1 M CeSO_4 solution. In the reaction Ce^{2+} was oxidized to Ce^{3+} . To what oxidation state Se was converted in the reaction?

- a) 0 b) 1 c) 2 d) 3 e) 4

4. 8.7 g of pure MnO_2 is heated with an excess of HCl and the gas evolved is passed into a solution of KI . The amount of I_2 liberated is.

- a) 0.6 mole b) 45.4 g c) 25.4 g d) 9.7 g

5. Equivalent weight of HNO_3 in the following reaction,



- a) $\frac{63}{3}$ b) $\frac{73}{5}$ c) $4 \times \frac{63}{3}$ d) 43

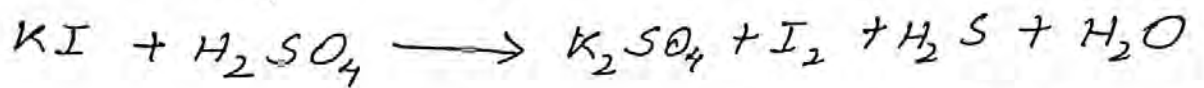
6. KIO_3 is treated with excess of KI in acidic medium. The liberated I_2 is titrated by V ml of x (M) $Na_2S_2O_3$. The number of equivalents of KIO_3 in the solution is

- a) $\frac{Vx}{1000} \times 2$ b) $\frac{Vx}{100} \times \frac{2}{3}$ c) $\frac{Vx}{100} \times \frac{5}{6}$ d) $\frac{Vx}{1000} \times 8$

7. 5×10^{-5} moles of $KMnO_4$ in acidic medium is completely consumed to oxidise 5×10^{-5} moles of X^{n+} into XO_4 , then what is the value of n ?

- a) 3 b) 4 c) 5 d) 2

8. What volume of H_2S gas measured at 1.0 atm and $0^\circ C$ is produced when 16.6 g of KI reacts with excess of H_2SO_4 ?



a) 280 ml b) 590 ml c) 780 ml d) 180 ml

9. 28 g N_2 and 6 g H_2 were mixed. At equilibrium 17 g NH_3 was formed. The weight of N_2 and H_2 at equilibrium are respectively.

a) 14g, 3g b) 3g, 1g c) 14g, 7g d) 11g, 1g

10. Equivalent mass of H_3PO_2 when it disproportionates into PH_3 and H_3PO_3 is. (Molecular Mass = M).

a) $3M$ b) $\frac{5M}{2}$ c) $\frac{3M}{4}$ d) $\frac{7M}{4}$

- Q.1 The number of carbon atoms present in a signature, if a signature written by carbon pencil weights 1.2×10^{-3} g is
(A) 12.04×10^{20} (B) 6.02×10^{19} (C) 3.01×10^{19} (D) 6.02×10^{20}
- Q.2 13.5 gm of aluminium when changes to Al^{3+} ion in solution, will lose.
(A) 1.8×10^{22} electrons (B) 6.0×10^{23} electrons
(C) 3.0×10^{23} electrons (D) 9.0×10^{23} electrons
- Q.3 1 mol of CH_4 contains.
(A) 6.0×10^{23} atoms of H (B) 4 g-atoms of hydrogen
(C) 1.8×10^{23} molecules of CH_4 (D) 3.0 gm of carbon
- Q.4 Which of the following contains largest number of atoms ?
(A) 14 gm nitrogen (B) 14 gm iron (C) 12 gm neon (D) 8 gm carbon
- Q.5 The number of gram-molecules of oxygen which can be obtained from 5g-molecules of $\text{H}_2\text{S}_2\text{O}_8$ are :
(A) 40 (B) 20 (C) $20 \times N_A$ (D) $40 \times N_A$

- Q.6 Find the correct option for 36 gm $C_6H_{12}O_6$.
- (A) $4.8 N_A$ molecules of $C_6H_{12}O_6$ (B) $19.2 N_A$ electrons
(C) 0.8 moles (D) 0.6 gm molecules of oxygen.
- Q.7 The percentage by mole of NO_2 in a mixture of $NO_2(g)$ and $NO(g)$ having average molecular mass 34 is:
- (A) 25% (B) 20% (C) 40% (D) 75%

More than one may be correct

- Q.8 Select the correct statement(s) for $(NH_4)_3PO_4$.
- (A) Ratio of number of oxygen atom to number of hydrogen atom is 1 : 3.
(B) Ratio of number of cation to number of anion is 3 : 1.
(C) Ratio of number of nitrogen atom to number of oxygen atom is 3 : 4.
(D) Total number of atoms in one mole of $(NH_4)_3PO_4$ is 20.
- Q.9 Which of the following statements is / are correct?
- (A) Mass of 1 g of hydrogen atoms is same as mass of 1 g-atom of hydrogen.
(B) Mass of 1 g of oxygen atoms is same as mass of 1 g atoms of oxygen.
(C) If number of g-molecules of two compounds, having the same atomicity, are same, then number of g-atoms must also be same.
(D) For any two ideal gases if pressure, volume and temperature are same then number of g-atoms must also be same.
- Q.10 Which of the following have the same number of molecules as present in 3.2 gm methane, CH_4 ?
- (A) 6.0 gm ethane, C_2H_6 (B) 6.4 gm hydrazine, N_2H_4
(C) 16.0 gm sulphur trioxide, SO_3 (D) 9.0 gm glucose, $C_6H_{12}O_6$

Summer vacation
Holiday home work
SUBJECT-BIOLOGY
CLASS-XI

1. Select a topic yourself for a project to be done individually and start working on it
2. Write 5 mark questions from lesson 1 2 and 3 at least three from each lesson without diagrams
3. Draw at least three diagrams from each lesson which are labelled and self explanatory from lesson 1 2 and 3
4. In your practical file for biology start drawing the diagrams from the lab manual on left hand side of the page
5. Write one page on corona virus and how it affected your studies

KENDRIYA VIDYALAYA AFS BORJHAR GUWAHATI
SUMMER VACATION HOLIDAY HOMEWORK 2020-21

CLASS-XI

SUBJECT- INFORMATICS PRACTICES

1.	Display a welcome message to the user.
2.	Input two numbers from the user and display their sum and product.
3.	Write a Python code to calculate simple interest and amount payable by inputting the value of principal amount and rate from the user for a time period of 5 years. (Formula used: Simple Interest = Principal * Rate * Time/100)
4.	Program to calculate and display the difference of two inputted numbers.
5.	Program to check whether a given number is even or odd.
6.	Write a Python program which accepts the radius of a circle from the user and compute the area.
7.	Write a Python program to get the volume of a sphere with radius 6.
8.	Write a Python program to get the difference between a given number and 17, if the number is greater than 17 return double the absolute difference.
9.	Write a Python program to test whether a number is within 100 of 1000 or 2000.
10.	Write a Python program that will accept the base and height of a triangle and compute the area.

केंद्रीय विद्यालय वायु सेना स्थल बोरझार

सत्र 2020-2021

ग्रीष्मावकाश गृहकार्य

कक्षा -11वीं

निम्नलिखित विषयो पर पत्र लिखिये-

१-लॉकडाउन में लोगों द्वारा की जा रही जमाखोरी की शिकायत करते हुए थानाध्यक्ष को एक पत्र लिखिए ।

२-परिवहन निगम के प्रबंधक को अपनी कालोनी तक बस चलाने के लिए पत्र लिखिए ।

३- ऑनलाइन कक्षाओं को सुचारु रूप से चलाने का सुझाव देते हुए प्रधानाचार्या को एक पत्र लिखिए ।

४- बड़े भाई की शादी में मित्र को आमंत्रित करने के लिए पत्र लिखिए ।

५- समय का महत्व बताते हुए अपने मित्र को एक पत्र लिखिए।

निम्न लिखित विषयों पर निबंध लिखिए -

१-कोरोना : वैश्विक महामारी (प्रस्तावना, कोरोना क्या है ?, बचाव के उपाय , प्रभाव, उपसंहार)

२-आतंकवाद की समस्या और निदान

३-विद्यार्थी और अनुशासन

४-करत -करत अभ्यास के जड़मति होत सुजान

*संचार किसे कहते हैं ? इसके प्रमुख तत्व कौन हैं ?

*एनकोडिंग किसे कहते हैं ?

*पाठ्यपुस्तक के प्रश्न :-

१- कबीर के दोनो पदों का भावार्थ लिखिए ।

२-नमक का दारोगा कहानी का सारांश अपने शब्दों में लिखिए ।

6- 20 पेज रोज सुलेख लिखिए (वर्तनी का विशेष ध्यान रखिये)

नोट:- प्रत्येक पेज पर अभिभावक का हस्ताक्षर होना चाहिए।

ऋचा पाण्डेय

Accountancy
Holiday Homework for Summer Vacation

Chapter- 1
Introduction to Accounting

1. A person who owes money to the business is a
2. Amount spent for purchasing fixed asset is a.....
3. Which qualitative characteristics of accounting information are reflected when accounting information is clearly presented.
4. Find out the odd one out and state reason.
a. Share capital b) Debenture c) sundry creditors d) Long term loans.
5. Value of goods remaining unsold at the end of an accounting period is termed as.....
6. Arun, a sole trader, draw Rs. 500 from the business for paying tuition fees to his child. This amount is termed as.....
7.assets are those assets, which do not have physical form.
8. The amount earned by a business concern through sale of its products or providing services to customers is called.....
9. The assets bought for long term use in the business are termed as asset.
10. Analysis of recorded data to bring entries of similar nature to one place is called.....
11. Write a short note on :
a) Capital b) Liability
12. Explain Accounting process.
13. Explain qualitative characteristics of Accounting.

Chapter- 2
Theory Base of Accounting

1. The rules and guidelines used in preparing accounting reports are called
2. The policy of “anticipating no profits and provide for all possible losses” arises due to convention of.
3. A business unit is assumed to have an indefinite life comes under
4. Contingent liabilities are usually shown as a foot note in the balance sheet as per accounting principle .
5. During the life time of a business accounting produce financial statements in accordance with which accounting concept.
6. Revenue is generally recognized at the point of sale denote the concept of... ..
7. The..... Principle requires that same accounting methods should be used from one accounting period to the next.
8. Companies must prepare financial statements at least yearly due to the..... Assumption
9. Accounting standards are issued by In India
10. Accounting standards in India formulated and governed by

11. Every transaction has two aspects which will be recorded in the books of accounts.
 - a) Identify and explain the accounting concept referred to above, by giving suitable examples.
 - b) Narrate a transaction which affects only the asset side of an accounting equation.

12. Explain the following principles:-
 - a) Money Measurement Principle
 - b) Matching Concept
 - c) Materiality Concept
 - d) Full Disclosure Concept

13. Differentiate between Cash basis of Accounting and Accrual basis of Accounting.
14. Give a brief note on Accounting Standard.
15. Define IFRS.

Business Studies
Holiday Homework for Summer Vacation

Chapter 1
Nature and Purpose of Business

1. The broad classification of business activities includeand
 - a) Trade and Auxiliaries to trade b) industry and commerce
 - c) Industry and Trade d) Internal Trade and External Trade
2. Write any three differences between Profession and Employment.
3. Explain briefly the multiple objectives of a business.
4. Which among the following is NOT a characteristic of business?
 - a) Dealing with goods and services b) Profit motive
 - c) Noneconomic activity d) Uncertainty of return
5. Explain any three objectives of business.
6. Which one of the following is NOT related to general objectives of the business?
 - a. Innovation b. Physical and financial resources
 - c. Warehousing d. Productivity
7. "People work for others and get remuneration."
 - a) Identify the economic activity involved in the above statement.
 - b) Write any two features of that economic activity.
8. Explain the causes of business risks.
9. Mr. Sudheer a businessman incurred so many losses due to the dishonesty of his workers. This loss is caused due to
 - a) Natural cause b) Financial cause c) Human cause d) Economic cause
10. Banking is
 - a) Primary industry b) Secondary industry c) Tertiary industry d) Not an industry
11. Adv. Praful is practicing in the High Court. Adv. Rajeev Menon is working as the legal advisor of Karthika Consultancy Ltd. In which economic activities these two are engaged in. Explain both activities with the help of one example each.

Chapter 2 Forms of Business Organisations

1. Name the type of partners in the following cases.
 - a) A Partner whose presence with the firm is unknown to the general public.
 - b) A Partner who does not take any part in the management of the firm.
2. Which among the following is the main characteristic of Hindu Undivided Family Business?
 - a) Single ownership
 - b) Transfer of membership
 - c) Membership by birth
 - d) Registration is compulsory
3. Match the following

A	B
a) Formed by an agreement	(I) Joint Stock Companies
b) Not sharing profits	(ii) Cooperative Societies
c) One Man One Vote	(iii) Partnership Business
d) Transferability of shares	(iv) Sole proprietorship

4. Mr. Mohammed and Mr. Sajan entered into an agreement to start a business to share profits. Identify the form of business they decided to start. Explain its four merits and three limitations.
5. The business operations in a Joint Hindu Family business is controlled by
 - a. Partners
 - b. Karta
 - c. Co- parceners
 - d. Shareholder
6. Identify the form of business organisation related to the following statements.
 - a) An artificial person created by law.
 - b) Association of persons with the motive of welfare of members.
7. Write short note on partnership deed.
8. Which among the following is not the feature of a co-operative society?
 - a) Huge financial resources
 - b) Limited Liability
 - c) Compulsory registration
 - d) Voluntary membership
9. A partner whose association with the firm is unknown to the general public is called
 - a) Sleeping partner
 - b) Nominal partner
 - c) Secret partner
 - d) Silent partners
10. Liability of coparceners in Hindu Undivided family business is
11. Cooperative society is a voluntary association of persons who join together with the motive of welfare of the members. State any two merits of a co-operative society.
12. Mr. Kumar and Mr. Basheer have started an unregistered business on the basis of an agreement.
 - a) Identify the form of business on the basis of ownership.
 - b) Explain its features

CLASS-XI
SUBJECT-ECONOMICS

Short Answer Type Questions (2 marks)

1. Why does an economic problem arise? Explain.
2. Distinguish between microeconomics and macroeconomics.
3. What are the three central problems of an economy? Why do they arise?
4. What is meant by the problem of allocation of resources?
5. Distinguish between positive economics and normative economics. Give an example of each.
6. Explain the central problem of 'how to produce'.

OR

Explain the central problem of 'choice of technique'.

7. Explain 'what to produce' with the help of an example.

OR

Explain the central problem of the choice of products to be produced.

8. Explain the central problem of "for whom to produce".

OR

Explain the central problem of distribution in an economy.

9. What is opportunity cost? Explain with the help of a numerical example.
10. Discuss meaning of production possibility curve through a schedule and diagram.
11. Why do central problems arise? Explain.
12. Explain why a production possibilities curve is concave.

1. An unemployed person, Ramesh is looking out for a job. Ramesh received 2 job offers: one for ₹ 20,000 from ICICI Bank and other offer of ₹ 15,000 from HDFC Bank. What is the opportunity cost for Ramesh if he accepts the offer of ICICI Bank?

{₹ 15,000}

2. Calculate the marginal opportunity cost (MOC) of commodity X for the given combinations:

Commodity X	0	1	2	3	4	5
Commodity Y	100	95	85	70	50	25

{MOC: -; 5; 10; 15; 20; 25}

3. A country produces two goods: A and B. Its production possibilities are shown in the following table. Calculate the values of MRT. Construct a PPF, with the help of given possibilities and discuss the shape of PPF.

Possibilities	A	B	C	D	E	F
Good A	0	1	2	3	4	5
Good B	100	95	85	70	50	25

{MRT: -; 5:1; 10:1; 15:1; 20:1; 25:1 and PPF will be concave shaped}

4. Giving reason, comment on the shape of Production Possibilities curve based on the following schedule:

Good X (units)	0	1	2	3	4
Good Y (units)	8	6	4	2	0

{As MRT is Constant, PPC will be downward sloping straight line}

5. Giving reason, comment on the shape of the Production Possibilities curve based on the following schedule:

Good X (units)	0	1	2	3	4
Good Y (units)	20	18	14	8	0

{As MRT is Increasing, PPC will be downward sloping and concave to the origin}

6. Giving reason, comment on the shape of Production Possibilities Curve based on the following table:

Good X (units)	Good Y (units)
0	4
1	3
2	2
3	1
4	0

{As MRT is Constant, PPC will be downward sloping straight line}

3. A person's MU schedule is given below. Derive TU:

Units consumed	1	2	3	4	5	6
MU	14	10	8	6	0	-2

{TU: 14, 24, 32, 38, 38, 36}

4. Calculate the missing figures.

Units	1	2	3	4	5
TU in utils	5	9	—	14	—
MU in utils	—	—	3	—	1

{TU: 5, 9, 12, 14, 15; MU: 5, 4, 3, 2, 1}

Practicals on Consumer's Equilibrium (Single Commodity)

5. Suppose price of a commodity 'x' is given as ₹ 5 and the MU (in terms of money) for 4 units is given as:

Units	1	2	3	4
MU _x (₹)	12	9	5	3

How many units should a consumer purchase, so that his satisfaction is maximum?

{3 units}

6. Following is the utility schedule of a consumer:

Units	1	2	3	4	5
MU	40	32	15	10	7

If the commodity is sold for ₹ 5 and MU of one rupee is 2 utils. How many units will a consumer purchase to maximize his satisfaction?

{4 units}

Practicals on Consumer's Equilibrium (Two Commodities)

7. The MU schedule for goods X and Y are given. Price of both the goods is ₹ 1 each and the income of Ramesh (an individual) is assumed to be ₹ 5. Determine, how many units of both the commodities should be purchased by Ramesh to maximize his total utility. What is the total amount of utility received by Ramesh at the point of equilibrium?

Quantity (units)	MU of X (Utils)	MU of Y (Utils)
1	11	8
2	10	7
3	9	6
4	8	4
5	7	3
6	6	2

{Ramesh should purchase 4 units of good X and 1 unit of good Y; Total utility = 46 utils}

Kendriya vidalaya, Borjhar
Summer vacation home work 2020-21

Subject- History

Class 11th

1. complete sub-units of lesson 1 st.
2. complete question answer of lesson 1st.
3. make one marks 20 questions, three marks 10 questions and eight marks 5 questions of lesson 1st in soft copy.
4. locate all country of Europe, north America, south America continent.
5. draw all pictures of development of humans in note book.
6. describe regional continuity model and displacement model of development.

KENDRIYA VIDYALAYA, AFS BORJHAR
SUMMER HOLIDAY HOMEWORK
SUBJECT: SOCIOLOGY
CLASS 11th, SESSION 2020-21
DATED: 08/05/2020

1. Find out how Industrial capitalism changed Indian lives in villages and cities.
2. Do you think advertisements actually influence people's consumption patterns?
3. Do you think 'spending' and 'saving' habits are culturally formed?
4. Write a short note on:
 - i. Sociology and History
 - ii. Sociology and social anthropology
 - iii. Sociology and Psychology
 - iv. Sociology and economics
5. Find out how historians have written about the history of art and fashion.
6. In your opinion why should we study about society? In this regards how study of sociology help us to have better understandings of society?
7. In your opinion what a good society ought to be like?
8. Write a short note on the influence of social groups in our lives.
9. Find out:
 - i. Do your friends or others of your age group influence you?
 - ii. Are you concerned with their approval or disapproval about the way you dress, behave, the kind of music you like to or the kind of films you prefer?
 - iii. Do you consider it to be social pressure? Discuss.
10. As a member of society you must be interacting with and in different groups. How do you see these groups from a sociological perspective?

KV AFS, BORJHAR

HOLIDAYS HOME WORK

CLASS- XI

SUBJECT – PHYSICAL EDUCATION

1. Define physical education and explain its aim and objectives in details.
2. What are the various career options in physical education? Discuss the teaching career in detail.
3. Elucidate the coaching career in detail.
4. Discuss the health related and administration related careers in details.
5. Write short notes in brief on the following:
 - (i) Olympic Motto
 - (ii) Olympic Flag
 - (iii) Olympic Flame
 - (iv) Olympic awards.
 - (v) Olympic Oath.
6. Elucidate in details about International Olympic Committee.
7. Define physical fitness and wellness. Elaborate the importance of physical fitness and wellness in detail.
8. What do you mean by 'lifestyle'? Elucidate the importance of positive/healthy lifestyle in details.
9. What do you mean by physical fitness? Elucidate any two components of physical fitness.
10. Any one game of your choice out of the following games (Labelled diagram of field & equipment, rules, regulations & skills) = Athletics, Badminton, Boxing, Chess, Judo, Taekwondo, Tennis and Yoga.

HOLIDAY HOMEWORK FOR SUMMER VACATION 2020-21
Library

S.No.	Class & Sec	Homework
1	VI	1. Write a book review of your favorite book in library copy or submit it on library blog. (Book review format available on library blog) 2. Make two bookmarks. 3. Write a story with moral. (English or Hindi) 4. Write two biography of famous Hindi author.
2	VII	
3	VIII	
4	IX	1. Write two book reviews of your favourite book. (submit it on library blog) 2. Write an essay on Importance of Technology in Education (500 words). (submit it on library blog)
5	X	
6	XI	
7	XII	

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